Bluetooth Mini Keyboard

User Manual

For

Palm OS Device

Support:

Palm OS	
Palm Tungsten T	**Palm Tungsten T3**
Palm Tungsten T2	**Palm Tungsten T5**
Palm Zire 72	**PalmOne Treo 650**

Manufacturer's Disclaimer Statement

The information in this document is subject to change without notice and does not represent a commitment on the part of the vendor. No warranty or representation, either expressed or implied, is made with respect to the quality, accuracy or fitness for any particular purpose of this document. The manufacturer reserves the right to make changes to the content of this document and/or the products associated with it at any time without obligation to notify any person or organization of such changes. In no event will the manufacturer be liable for direct, indirect, special, incidental or consequential damages arising out of the use or inability to use this product or documentation, even if advised of the possibility of such damages. This document contains materials protected by copyright. All rights are reserved. No part of this manual may be reproduced or transmitted in any form, by any means or for any purpose without expressed written consent of its authors. Product names appearing in this document are mentioned for identification purchases only. All trademarks, product names or brand names appearing in this document are registered property of their respective owner.

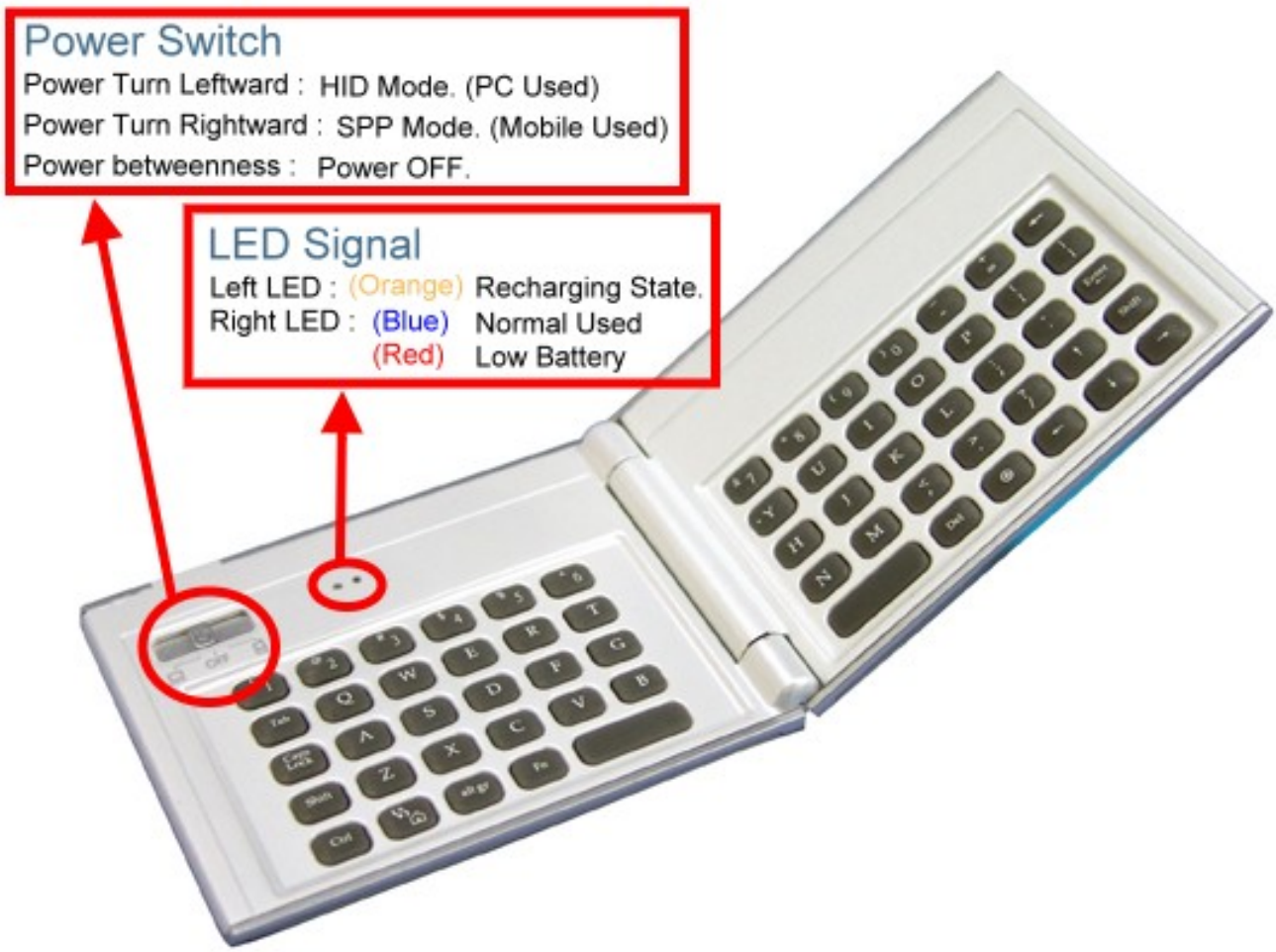
Table of Contents

- **Introduction of Bluetooth MiniKeyboard 4**
  - Keyboard Features 4
- **Driver Installation / Upgrading / Removing 5**
  - System Requirements 5
  - Before to Use 5
  - How to Install/Upgrade/ Remove the Bluetooth keyboard Driver 5
- **Configuring Bluetooth MiniKeyboard 7**
- **The Illustration of "Config" Page 8**
  - Active Keyboard 8
  - Reconnection 9
  - Typing Repeat Rate 9
  - Typing Repeat Delay 9
  - Keyboard Test 10
- **The Illustration of "Function" Page 11**
- **The Illustration of "About" Page 11**
- **Function key and the Combination keys 12**
  - Launching Applications 12
  - Editing Text Command 12
  - 5 - Way navigator Emulation 13
  - Click Button 13
  - Other Function Key 14
  - Symbol Characters 14
  - Latin Characters 15
  - Calculator Functions 16
- **Bluetooth MiniKeyboard Status LED 17**
- **Product Specifications 18**
- **Appendix A: Troubleshooting 19**

◆

Introduction of Bluetooth MiniKeyboard

➢ **Keyboard Features**


Power Switch
Power Turn Leftward : HID Mode. (PC Used)
Power Turn Rightward : SPP Mode. (Mobile Used)
Power betweenness : Power OFF.
LED Signal
Left LED : (Orange) Recharging State.
Right LED : (Blue) Normal Used
(Red) Low Battery

Driver Installation/Upgrading/Remove

➢ System Requirements

- Palm OS device with built-in Bluetooth.
- At least 50 KB of free memory on your Palm OS device.
- A computer with the Microsoft Windows 2000/XP operating system.
- A synchronizing program on your computer, such as Palm™ Desktop Software, for copying files to your Palm OS device.

➢ Before to Use

- Check the batteries status of Bluetooth Mini keyboard.
  (Turn the switch on to check the Blue light on the keyboard.)
- Disable other application which will use Bluetooth port on your mobile device.

➢ How to Install / Upgrade / Remove the Bluetooth Mini keyboard Driver?

■ Installation

- Insert Bluetooth Mini Keyboard CD into computer's CD-ROM drive.
- After the installation is done, the Bluetooth Mini keyboard driver has been copied to HotSync Manager on your computer.
- Make sure the cradle / cable has already connected with your computer, it should synchronize to copy the driver to your Palm OS device after running the HotSync software in your Palm OS device.
- After the Bluetooth Mini keyboard driver is installed successfully, you can find this Bluetooth Mini keyboard icon is showed on the Home list of the Palm OS device. (Figure 1)

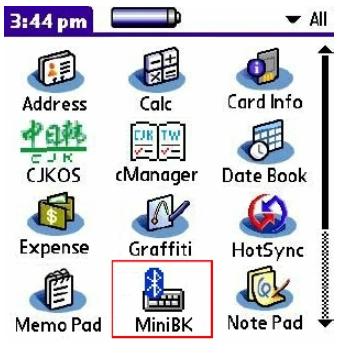


Figure 1

■ Upgrading

Please check the Agent's website from time to time to check if any new driver is released.

(**Note:** Please remove the old driver out first, and then install the last one into your device.)

- **Removing**

Step 1□Turn the driver off

Step 2□Tap (jump to the main page) -> the "Date" position which in the top left corner -> Delete…, (Figure 2)

chooses "**MiniKB**" and clicks the **Delete** button. (Figure 3)

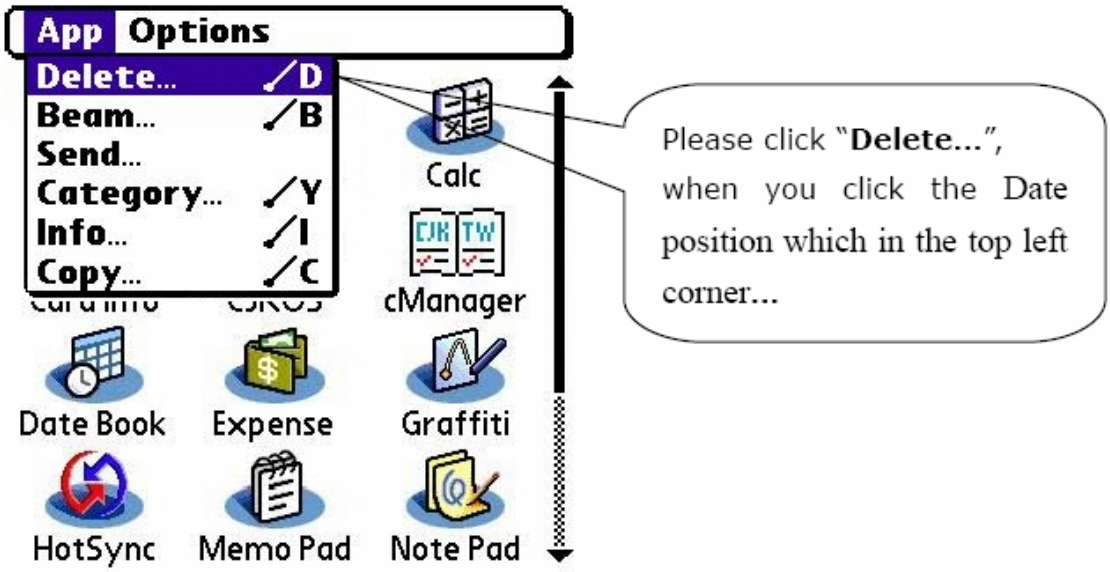


Figure 2

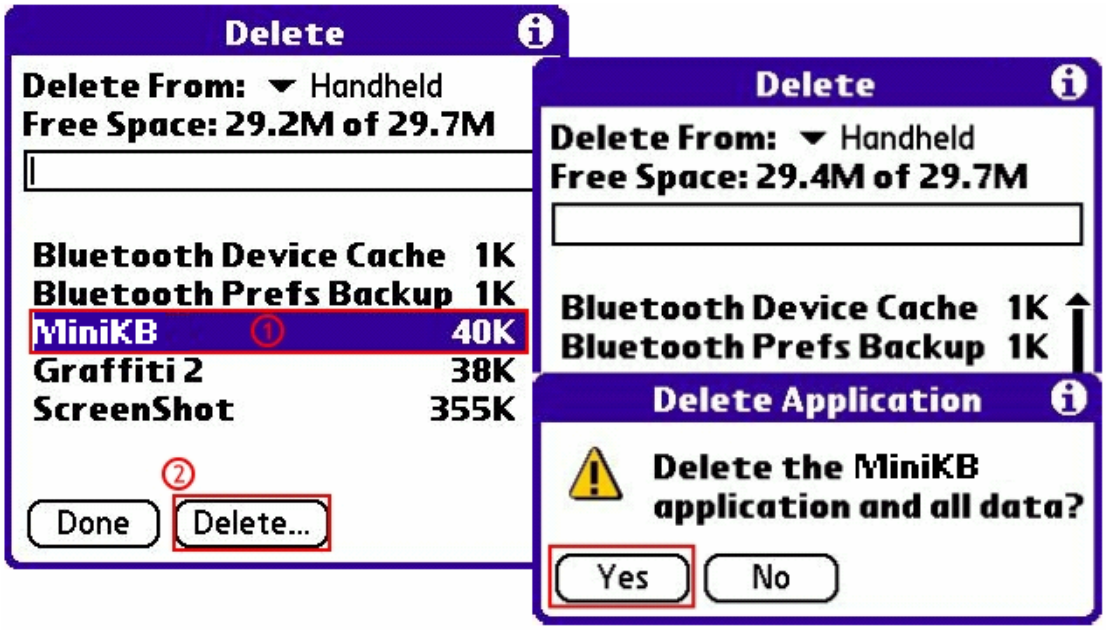


Figure 3

Configuring Bluetooth Keyboard

- When you click the "**MiniKB**" icon, you will see three pages "**Config**", "**Function**", "**About**". (Figure 4)

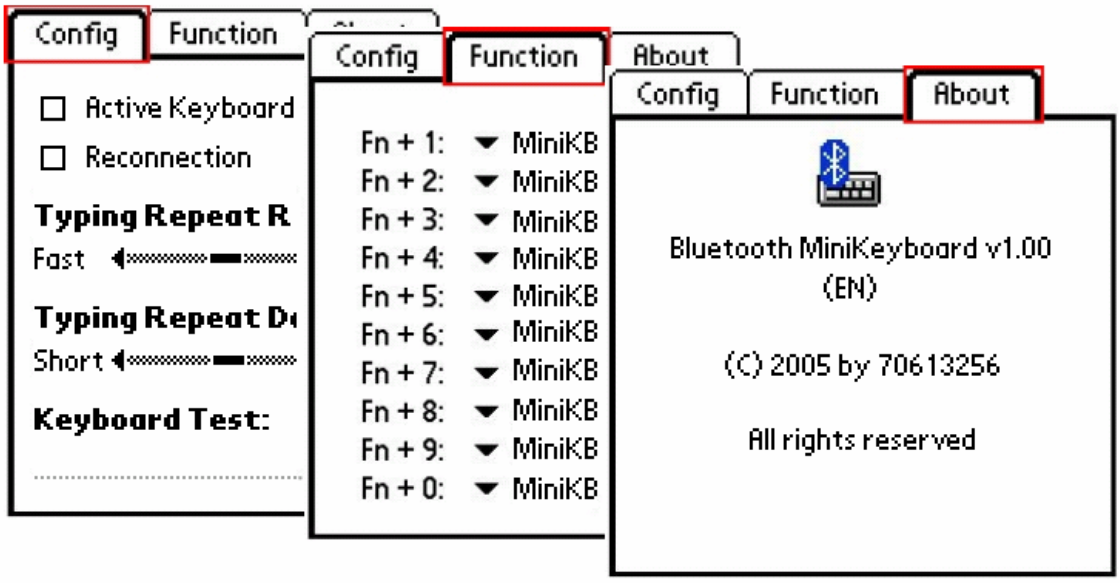


Figure 4

- **"Config" Page**

There are including:

"**Active keyboard**", "**Reconnection**", "**Typing Repeat Rate**", "**Typing Repeat Delay**", "**Keyboard Test**".

- **"Function" Page**

  This page provides ten user-definable function keys as **Hot Keys**.

- **"About" Page**

  Provides the version of the driver installed in your handheld device.

The Illustration of "Config" Page

- **Active Keyboard**

■ **How to connect the Bluetooth Mini keyboard with your device??**

Step 1:

Turn the Bluetooth Mini keyboard on, the LED will flash orange for 1 second, then turn to flash blue once every other second, the Bluetooth keyboard is in Discovery mode.

Step 2:

Tap (jump to the Home) -> **MiniKB**. (Figure 5)

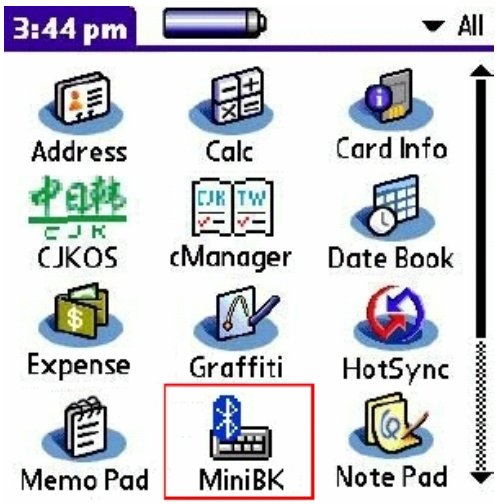


Figure 5

Figure 6

Step3:

Click "**Active Keyboard**". Palm OS device will start to search the Bluetooth Mini Keyboard. (Figure 6)

Step 4:

Please choose the "**KEYBOARD**" from the discovering list on the screen, and tap ok to build the connection between your Palm OS device and keyboard. (Figure 7)

Note: When the connection establish successfully, the LED on Mini keyboard will flash blue **twice** every other second.

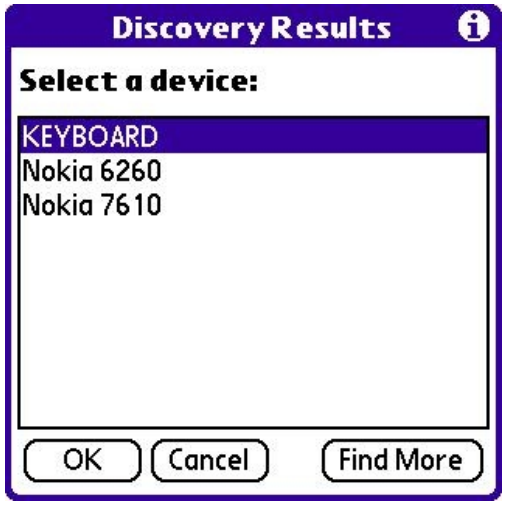


Figure 7

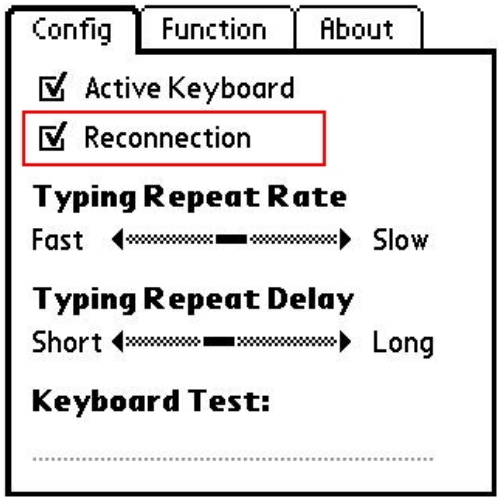


Figure 8

- **Reconnection**

After the connection established successfully, then you can turn "**Reconnection**" to "**On**". This function allows the Mini keyboard memorizes the last connected device, and they will pair automatically in next connection without further search. (Figure 8)

Note: Please do not turn "**Reconnection**" on before the first connection established

➢ **Typing Repeat Rate**

This option allows you to set the speed at which a letter, number or other character repeats when you press and hold a key. Use your stylus to drag the marker arrow toward **Fast** (to increase) or **Slow** (to decrease) the repeat rate. (Figure 9)

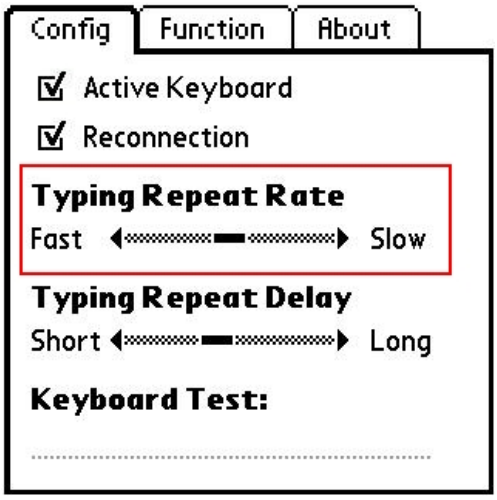


Figure 9

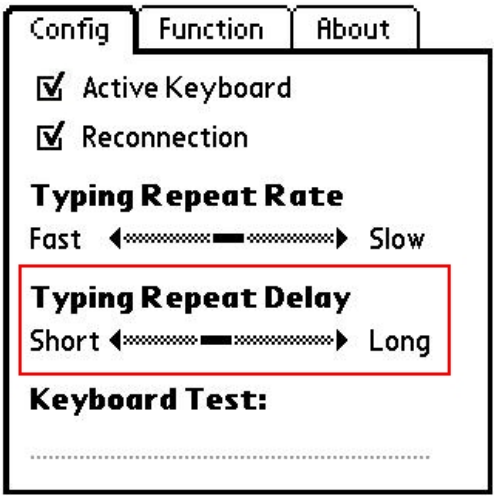


Figure 10

➢ **Typing Repeat Delay**

This option allows you to set the length of time before a letter, number or other character begins to repeat when you press and hold a key. Use your stylus to drag the marker arrow toward **Long** (to increase) or **Short** (to decrease) the length of the delay. (Figure 10)

➢ **Keyboard Test**

Test the repeat rate and delay by holding down a letter or number key on the Bluetooth keyboard. The character appears according to the setting you have chosen. Change and test these settings until you achieve the desired outcome. (Figure 11)

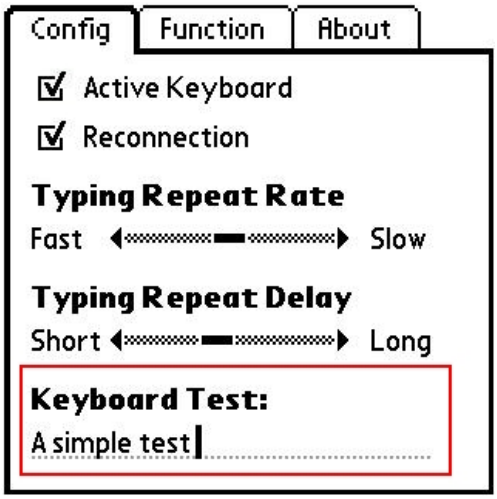
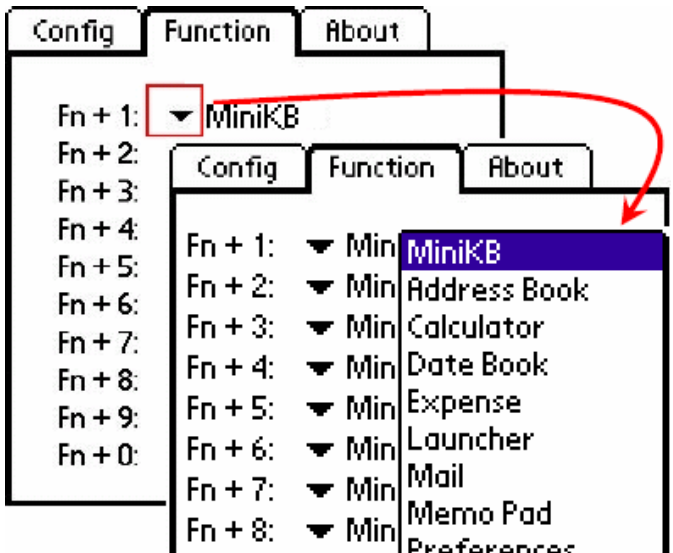


Figure 11

The Illustration of “Function” Page

- **How to set function keys for your Mini keyboard?**

  You should able to set 10 different function keys (Fn -1, Fn -2 ~ Fn -0).
  Please use the [Fn] key to combine with the number [0] ~ [9] to active the function key. (Figure 12)



The Illustration of “About” Page

➢ **How to check the version of driver?**

Please click “**About**” page. (Figure 13)

Driver version: V1.00

English Version □ EN

German Version □ DE

French Version □ FR

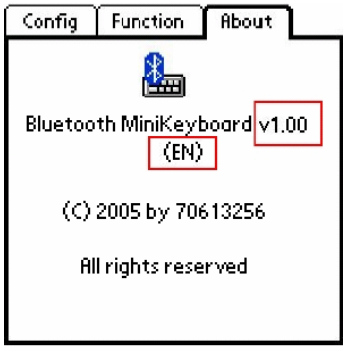


Figure 13

Function key and the Combination keys

➢ **Launching Applications :**

Launch the application by shortcut.

Function	Keystroke
Launches a specific user-defined application.	[Fn] + [Number]
Launches “ “	

Launches " "	[Fn] + [ ]
Launches the " " application	[Fn] + [Z]
Launches the " " application	[Fn] + [X]
Launches the " " application.	[Fn] + [C]
Launches the " " application	[Fn] + [V]
Launches " Calc" application (calculator)	[Fn] + [B]
Launches " Find "	[Fn] + [N]

- **Editing Text Command :**

  This table lists the key combinations to activate various commands.

Function	Keystroke
Moves cursor left one word	[Ctrl] + [←]
Moves cursor right one word	[Ctrl] + [→]
Selects / Highlight previous word	[Ctrl] + [Shift] + [←]
Selects / Highlight next word	[Ctrl] + [Shift] + [→]
Selects / Highlight the previous character	[Shift] + [←]
Selects / Highlight the next character	[Shift] + [→]
Selects / Highlight pervious line	[Shift] + [↑]
Selects / Highlight next line	[Shift] + [↓]
Scroll Up	[Fn] + [↑]
Scroll Down	[Fn] + [↓]
Function	**Keystroke**
Select all	[Ctrl] + [A]
Undo last action	[Ctrl] + [Z]
Cuts selected text	[Ctrl] + [X]
Copies selected text	[Ctrl] + [C]
Pastes cut or copied text	[Ctrl] + [V]

- **5 - way Navigator Emulation :**

  The function emulate 5-way navigator on Palm OS device.

Function	Keystroke
Navigates Left	[Alt gr] + [←]
Navigates Right	[Alt gr] + [→]
Navigates Up	[Alt gr] + [↑]
Navigates Down	[Alt gr] + [↓]
Select (Center Button)	[Alt gr] + [Enter]

- **Click Button :**

  This table lists the key combinations to activate onscreen buttons.

Equivalent onscreen button	Keystroke
OK	[Fn] + [Enter]
Delete	[Fn] + [Del]
New	[Fn] + [Space key]
Show	[Fn] + [←]
Details	[Fn] + [→]
Note	[Fn] + [A]
Cancel	[Fn] + [S]
Done	[Fn] + [D]
Send	[Fn] + [F]
Edit	[Fn] + [G]

- **Other Function Key :**

Function	Keystroke
All keys embedded with **gray** characters are accessible by enabling the Num Lock setting. Enabling Num Lock emulates a 10-key keypad interface found on most standard keyboards.	[Fn] + [Caps Lock]
Insert a tab	[Tab]

Tabs forward	[Fn] + [Tab]
Tabs backward	[Shift] + [Tab]
Enter Shortcut mode	[Fn] + [Alt gr]
Toggles backlight	[Fn] + [=]
Power off	[Fn] + [Backspace]

- **Symbol Character :**

  International Character Key

Keystroke	Character
[Alt gr] + [1]	**~**
[Alt gr] + [4]	**`**
[Alt gr] + [6]	****
[Alt gr] + [7]	□
[Alt gr] + [Q]	**®**
[Alt gr] + [W]	**©**
[Alt gr] + [E]	**€**
[Alt gr] + [Y]	□
[Alt gr] + [P]	□
[Alt gr] + [A]	**«**
[Alt gr] + [S]	**»**
[Alt gr] + [D]	**µ**
[Alt gr] + [F]	**Ç**
[Alt gr] + [G]	**ñ**
[Alt gr] + [H]	**¿**

- **Latin Characters**

How to input Latin Character?

Press **[Fn] + [Ctrl]** at the same time, the Bluetooth keyboard is in Latin mode.

This table lists keystrokes to activate Latin functions.

Keystroke	Character
Q	á

W	à
E	ä
R	â
T	å
Y	ã
U	æ
I	ç
O	ñ
P	ø
A	é
S	è
D	ë
F	ê
G	í
H	ì
J	ï
K	î
L	ß
;	ý
`	ÿ
Z	ó
X	ò
C	ö
V	ô
B	õ
N	ú
M	ù
,	ü
.	û
/	¿

- **Calculator Functions :**

Press **[Fn] + [Caps Lock]** at the same time, the Bluetooth keyboard is in NumLock mode. This table lists keystrokes to activate calculator functions.

keystroke	Action
/	(+) Add

;	(-) Subtract
P	(*) Multiply
-	(/) Divide
=	(=) Equals
J	(1) One
K	(2) Two
L	(3) Three
U	(4) Four
I	(5) Five
O	(6) Six
8	(7) Seven
9	(8) Eight
0	(9) Nine
M	(0) Zero
C	Clear all
E	Clear last entry
N	Clear memory
Y	Set current number on display in memory
R	Recall value in memory
,	comma
.	decimal point

Bluetooth Keyboard Status LED

When the Bluetooth keyboard is open, you can find a LED on your left side keyboard. This LED can indicate the status of the keyboard and battery

- When the LED flashs **Blue** light once every other second, this is the state that the Bluetooth keyboard can be detected by handheld device.

- When the LED flashs **Blue** light twice every other second, this is the status that the Bluetooth keyboard is connected by handheld device.

- When the LED flashs **Red** light once or twice every other second, this is the batteries are in low level. You should change the batteries immediately.

- When the LED flashs **Orange** light , this is the Mini keyboard is in charge mode

Product Specifications

Item		Typ.	Unit
Module Size (Close)	Horizontal (H)	90	mm
	Vertical (V)	71	mm
	Depth (D)	12	mm
Module Size (Open)	Horizontal (H)	172	mm
	Vertical (V)	71	mm
	Depth (D)	6	mm
Weight	Net	83	g

Absolute Maximum Rating

Item	Min	Max	Unit	Note
Operation Temperature	-10	50	□	Humidity Condition□ 5 ~ 90%RH
Storage Environmental	-30	70	□	Humidity Condition□ 5 ~ 90%RH

Appendix A: Troubleshooting

1. I am not able to install Bluetooth Mini keyboard driver to my Palm OS device?

- Please following the quick install guide for the installation and store the driver into HotSync Manager application.
- Please ensure the connection cable is connected between PC and Palm OS device.
- Please check "HotSync" application is right down on your system tray.
- Click " icon ➔ HotSync" on your Palm OS device.
- If you synchronize the action of copying files the driver should install to your Palm OS device automatically. (If you did fail to connect with your PC, please check the connection cable between Palm OS device and PC first.)

2. Why Palm OS device has no response when I type on Bluetooth Mini keyboard?

- Make sure the keyboard is in the connected status by LED flash time.
- Check the battery of mobile device is charged.
- Check the batteries of Bluetooth Mini keyboard have enough power by LED color.

3. What's happened if I have already searched the "KEYBOARD" device from my Palm OS device, but I couldn't build the connection between the keyboard and my device, and there is a message of "Can not connect your keyboard. Please check the power status of the keyboard, and try again."?

- During the search mode in your Palm OS device□the device should display as below, if the small graph didn't show as below, please close the Bluetooth from your Palm OS device (tap " icon ➔ Prefs ➔ Communication ➔ Bluetooth, and turn off the Bluetooth)□then re-click the active keyboard again.